National Weather Service
Storm Data and Unusual Weather Phenomena

May 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
WISCONSIN, Southeast									
WIZ066	**Milwaukee**								
	06	**0500CST 0600CST**			**0**	**0**			**Record Warmth**
	Thanks to south winds, Milwaukee set a new daily record high minimum of 64, breaking the old reading of 62 set back in 1939.								
Iowa County									
1 W Cobb	**08**	**0655CST**			**0**	**0**	**10K**		**Thunderstorm Wind (G52)**
Lafayette County									
Shullsburg	**08**	**0655CST**			**0**	**0**			**Hail (1.00)**
Green County									
2 W Monroe to Albany	**08**	**0713CST 0725CST**			**0**	**0**	**75K**		**Thunderstorm Wind (G70)**
Green County									
4 E Dayton	**08**	**0728CST**			**0**	**0**	**10K**		**Thunderstorm Wind (G70)**
Rock County									
2 NW Fulton to Edgerton	**08**	**0730CST 0735CST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Dane County									
Black Earth	**08**	**0745CST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Rock County									
5 NE Milton	**08**	**0750CST**			**0**	**0**			**Hail (1.00)**
Jefferson County									
Hebron	**08**	**0800CST**			**0**	**0**			**Hail (0.75)**
Waukesha County									
Delafield	**08**	**0825CST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Scattered severe thunderstorms with large hail and damaging straight-line winds exploded across south-central and southeast Wisconsin after sunrise. The powerful winds leveled trees and power lines just west of Cobb (Iowa Co.), around Black Earth (Dane Co.), from Fulton to Edgerton (Rock Co.), and from around Monroe east to Albany (Green Co.). In addition, east of Monroe(Green Co.) a pole shed was pushed over, a barn's roof was peeled off, and two swing sets were damaged by the winds. A semi tractor-trailer was blown over east of Dayton (Green Co.). The severe weather was the result of several days of above normal daytime temperatures in the 80s and dewpoints rising into the 60s resulting in an unstable airmass. A cold front dropping southeast across southern Wisconsin with jet stream support aloft combined to focus the storms.								
Walworth County									
East Troy	**08**	**1525CST**			**0**	**0**			**Hail (1.25)**
Walworth County									
2 NE East Troy	**08**	**1530CST**			**0**	**0**			**Funnel Cloud**
Jefferson County									
Watertown	**08**	**1722CST 1725CST**			**0**	**0**			**Hail (0.75)**
Washington County									
West Bend	**08**	**1820CST**			**0**	**0**	**7K**		**Lightning**
Waukesha County									
3 NE Mukwonago to 3 SE Waukesha	**08**	**1855CST 1903CST**			**0**	**0**			**Hail (1.00)**
Milwaukee County									
Greenfield	**08**	**1857CST**			**0**	**0**			**Hail (1.00)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
WISCONSIN, Southeast									
Milwaukee County									
Milwaukee	**08**	**1900CST**			**0**	**0**	**5K**		**Lightning**
Washington County									
Richfield	**08**	**1930CST**			**0**	**0**	**3K**		**Lightning**
Racine County									
Racine	**08**	**1951CST**			**0**	**0**			**Hail (0.75)**
Walworth County									
Lake Geneva Plyby Ar	**08**	**2020CST 2025CST**			**0**	**0**			**Hail (0.75)**
Racine County									
1 SW Burlington	**08**	**2039CST**			**0**	**0**			**Hail (1.00)**

The second round of scattered severe thunderstorms on May 8th featured large hail stones. In addition, lightning bolts started fires in the roof/attic area of two homes, and struck a power transformer in Milwaukee. There was a brief appearance of a funnel cloud.

Lafayette County									
Benton to Shullsburg	**11**	**0725CST 0734CST**			**0**	**0**	**10K**		**Hail (1.75)**
Lafayette County									
Gratiot	**11**	**0752CST 0757CST**			**0**	**0**	**5K**		**Hail (1.25)**

Two clusters of severe thunderstorms marched through Lafayette County during the early morning hours. Large hail, which accompanied the storms, damaged several vehicles besides shredding tree leaves. Synoptically, low pressure was moving northeast through North Dakota while a cool front trailed down through Minnesota to eastern Iowa. A warm front was found over northern Illinois. This early morning activity set the stage for another longer round of severe weather later in the evening on the 11th into the early morning hours of the 12th.

Iowa County									
Arena	**11**	**2114CST**			**0**	**0**			**Hail (1.00)**
Dodge County									
Reeseville to 4 SE Juneau	**11**	**2213CST 2215CST**			**0**	**0**			**Hail (0.75)**
Jefferson County									
Watertown	**11**	**2220CST**			**0**	**0**	**1K**		**Thunderstorm Wind (G52)**
Washington County									
Allenton to West Bend	**11**	**2225CST 2240CST**			**0**	**0**	**100K**		**Thunderstorm Wind (G65)**
Jefferson County									
3 SE Sullivan	**11**	**2228CST**			**0**	**0**			**Hail (0.75)**
Dane County									
Madison	**11**	**2230CST 2330CST**			**0**	**0**			**Urban/Sml Stream Fld**
Milwaukee County									
Milwaukee	**11**	**2240CST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Dane County									
Marshall	**11**	**2243CST 2251CST**			**0**	**0**	**2K**		**Thunderstorm Wind (G52)** [M]
Jefferson County									
Watertown	**11**	**2246CST**			**0**	**0**	**1K**		**Thunderstorm Wind (G56)**
Waukesha County									
Delafield	**11**	**2310CST**			**0**	**0**	**1K**		**Thunderstorm Wind (G52)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
WISCONSIN, Southeast									
Jefferson County									
3 SE Sullivan	**11**	**2325CST**			**0**	**0**			**Hail (0.75)**
Waukesha County									
Hartland to Big Bend	**11**	**2328CST 2345CST**			**0**	**0**	**100K**		**Thunderstorm Wind (G65)**
Dane County									
Madison	**11**	**2330CST 2335CST**			**0**	**0**	**2K**		**Thunderstorm Wind**
Waukesha County									
Countywide	**11 12**	**2330CST 0100CST**			**0**	**0**			**Urban/Sml Stream Fld**
Milwaukee County									
Milwaukee to Oak Creek	**11 12**	**2343CST 0005CST**			**0**	**0**	**50K**		**Thunderstorm Wind (G65)**
Milwaukee County									
Franklin to Milwaukee	**12**	**0000CST 0100CST**			**0**	**0**			**Urban/Sml Stream Fld**
Racine County									
Union Grove	**12**	**0009CST 0012CST**			**0**	**0**	**5K**		**Hail (1.75)**
Racine County									
Sturtevant to Racine	**12**	**0015CST 0130CST**			**0**	**0**			**Urban/Sml Stream Fld**

A second round of severe weather struck south-central and southeast Wisconsin overnight from the 11th into 12th. Some of the thunderstorms developed supercell characteristic resulting in large damaging hail, downburst straight-line winds, and torrential rainfalls. Nearly all of the severe storms in this round of activity leveled large trees and power lines. The worst damage was reported in the Allentown to West Bend area of Washington County, with two pole sheds and two residential garages sustaining considerable damage. Large hail up to golf ball size also occurred with the hurricane-force winds in Washington County. Milwaukee and Waukesha counties also experienced the same type of damage due to hurricane-force thunderstorm winds. Two Brookfield (Waukesha Co.) homes were damaged when large trees were pushed on them. In Cudahy (Milwaukee Co.), where a trained spotter's wind anemometer was blown away at 70 mph...the still-increasing winds pushed his home slightly off its foundation

Torrential rains coming down at the rate of 1 to 2 inches per hour in the more intense storms resulted in urban flooding as well. Many reports indicated that water was briefly 6 inches to almost 2 feet deep on some low-lying roads or underpasses. A peak rain of 3.6 inches in one hour was reported near the city of Racine! Due to the toppled power lines, about 25,000 customers were without power at one time or another. Synoptically, a warm front, that was over northern Illinois on the 11th, moved into southern Wisconsin during the overnight hours. This front served as a focus for the thunderstorm activity.

Sauk County									
2 NE Reedsburg	**12**	**0705CST**			**0**	**0**			**Hail (0.88)**
Sauk County									
5 W Lake Delton	**12**	**0712CST**			**0**	**0**			**Hail (0.75)**
Marquette County									
6 NNE Westfield to 2.2 E Neshkoro	**12**	**0930CST 0945CST**			**0**	**2**	**1M**		**Hail (3.00)**
Green Lake County									
10 W Berlin to 3 W Berlin	**12**	**0948CST 1000CST**			**0**	**4**	**1.5M**	**300K**	**Hail (2.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

WISCONSIN, Southeast

Fond Du Lac County

3 NE Ripon	**12**	**1005CST**			**0**	**0**	**Hail (1.00)**

Sampling of hail stones from Crystal Lake, Marquette County. Hail stones remained on the ground for 1 hour before retrieval and photograph taken. It is estimated that hail stones were 3 inches in diameter when they fell.

Probably the costliest southern Wisconsin hailstorm in the past 100 years struck the northern parts of Marquette and Green Lake Counties during the mid to late morning hours. This was the third round of severe thunderstorms to strike southern Wisconsin due to the same basic weather pattern. Hailstones the size of baseballs (up to 3 inches in diameter) pounded the northern 3 mile stretch of these two counties, resulting in substantial damage to hundreds of homes (roofs and siding) and hundreds of vehicles. Two people in Marquette County and 4 people in Green Lake County were injured by the large hailstones and needed medical treatment. The hailstones left impact marks on sidewalks in the Crystal Lake area of north-central Marched County. In Green Lake County crop damage was also noted. Downburst winds of 60 to 70 mph also accompanied the hail, resulting in many trees being pushed over.

Interestingly, this severe hailstorm occurred north of a warm front, with air temperatures only in the 60s. The warm front moved north to a Wisconsin Dells to Sheboygan line while a frontal "triple-point" formed near the Dells due to a cool front pushing in from the west. The thunderstorm which first produced hail in Sauk County while moving northeast, gradually turned more to the right (east), as it entered Marquette, Green Lake, and Waushara Counties, and transformed into a high-precipitation supercell. Eventually this supercell did spawn a tornado in Manitowoc County, and 100 mph straight-line winds in Calumet and Manitowoc Counties.

Lafayette County

6.5 SW Belmont	**17**	**1154CST**			**0**	**0**	**Hail (0.75)**

Iowa County

Rewey	**17**	**1300CST**			**0**	**0**	**Hail (1.00)**

Lafayette County

3 NW Belmont	**17**	**1313CST** **1318CST**			**0**	**0**	**2K** **Hail (1.75)**

Green County

6 W Monticello	**17**	**1355CST**			**0**	**0**	**Hail (1.00)**

WISCONSIN, Southeast

Scattered severe thunderstorms developed during the afternoon heat and dumped large hail. Several vehicles sustained light damage near Belmont (Lafayette Co.). The storms were set up by an east-west frontal boundary over northern Illinois extending back to a deep low pressure over Colorado. This situation would lead to several rounds of severe weather and flash flooding across southern Wisconsin during the evening hours of the 17th through the 18th.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
Sauk County									
Baraboo	**17**	**1815CST** **1930CST**			**0**	**0**	**10K**		**Flash Flood**
Sauk County									
Baraboo	**17**	**1822CST**			**0**	**0**	**2K**		**Thunderstorm Wind (G52)**
Columbia County									
3 W Portage to Portage	**17**	**1835CST** **1845CST**			**0**	**0**	**1K**		**Thunderstorm Wind**
Dodge County									
1 W Danville	**17**	**1900CST** **2000CST**			**0**	**0**	**20K**		**Flash Flood**
Dodge County									
Randolph	**17**	**1910CST**			**0**	**0**			**Hail (0.75)**
Kenosha County									
Somers	**17**	**2010CST**			**0**	**0**			**Hail (1.00)**
Columbia County									
South Portion	**17** **18**	**2015CST** **0100CST**			**0**	**0**	**50K**		**Flash Flood**
Dodge County									
Juneau to Watertown	**17** **18**	**2015CST** **0100CST**			**0**	**0**	**50K**		**Flash Flood**
Jefferson County									
Watertown	**17** **18**	**2015CST** **0100CST**			**0**	**0**	**25K**		**Flash Flood**
Milwaukee County									
North Portion	**17** **18**	**2015CST** **0100CST**			**0**	**0**	**200K**		**Flash Flood**
Ozaukee County									
Mequon to Port Washington	**17** **18**	**2015CST** **0100CST**			**0**	**0**	**75K**		**Flash Flood**
Washington County									
South Portion	**17** **18**	**2015CST** **0100CST**			**0**	**0**	**75K**		**Flash Flood**
Waukesha County									
Mapleton to New Berlin	**17** **18**	**2015CST** **0100CST**			**0**	**0**	**50K**		**Flash Flood**

The second round of adverse weather on the 17th started off as a large hail and damaging wind event in Sauk County, but quickly changed to a heavy rain and flash flooding event as individual cells became more numerous and clusters moved east/southeast. Training echos were common which led to flash flooding. Damaging straight-line winds toppled large trees in Sauk and Columbia Counties while hail up to 1.00 inch in diameter also fell. However, from then on the storms became prolific rain-producers: Watertown (Jefferson Co.) had 2.52 inches of rain in 1.5 hours, Grafton (Ozaukee Co.) had 1.75 inches in one hour. WSR-88D Doppler radar estimated a total of 3 to 3.8 inches fell from southeast of Portage (Columbia Co.) to the Watertown area from 1800 to 2030CST on the 17th, and 2 to 3 inches east into northern Milwaukee County. About 2000 customers in southeast Wisconsin lost electrical power due to either downed power lines or lightning strikes.

Throughout the areas that experienced flash flooding it was noted that water levels rose to 1 to 3 feet over many roads (urban and rural) leading to numerous reports of gravel shoulder washouts, blocked roads, stranded/damaged vehicles, flooded basements, and clogged sewers. In Brown Deer (Milwaukee Co.) water was up to 4 feet deep on some roads and there were reports of mudslides. Fortunately, there were no injuries or deaths, possibly due to timely warnings.

For the calendar day of May 17th, Milwaukee Mitchell Field (Milwaukee Co.) picked up 1.70 inches of rain, breaking the old record of 1.20 set back in 1889. Madison's Truax Field (Dane Co.) set a new daily record of 2.58 inches.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
WISCONSIN, Southeast									
		On the weather map the Colorado low had moved to eastern Nebraska by the end of the 17th while the west-east frontal boundary had moved north to the Wisconsin/Illinois border. Southern Wisconsin during the time of the flooding had northeast winds and temperatures around 60.							
Kenosha County									
Somers	**18**	**0130CST 0430CST**			**0**	**0**	**200K**	**50K**	**Flash Flood**
Iowa County									
Linden to Dodgeville	**18**	**0533CST 0550CST**			**0**	**0**	**500K**	**100K**	**Hail (2.00)**
Dane County									
Black Earth	**18**	**0630CST**			**0**	**0**			**Hail (0.88)**
Dane County									
Black Earth	**18**	**0630CST 2000CST**			**0**	**0**	**30K**		**Urban/Sml Stream Fld**
Dane County									
Fitchburg	**18**	**0645CST**			**0**	**0**	**150K**		**Thunderstorm Wind (G65)**
Dane County									
Waunakee	**18**	**0700CST 0830CST**			**0**	**0**	**5K**		**Urban/Sml Stream Fld**
Dane County									
Madison to Madison Truax Arpt	**18**	**0702CST 0713CST**			**0**	**0**	**200K**		**Hail (2.00)**
Dane County									
3 S Marshall	**18**	**0730CST**			**0**	**0**			**Hail (1.00)**
Jefferson County									
Lake Mills to 1 N Jefferson	**18**	**0736CST 0742CST**			**0**	**0**			**Hail (1.00)**
Walworth County									
Lyons	**18**	**0747CST**			**0**	**0**			**Hail (0.75)**
Waukesha County									
Delafield to Menomonee Falls	**18**	**0806CST 0828CST**			**0**	**0**	**5K**		**Hail (1.25)**
Washington County									
2 S Hartford	**18**	**0811CST**			**0**	**0**			**Hail (1.00)**
Milwaukee County									
West Allis to Milwaukee	**18**	**0815CST 0836CST**			**0**	**0**	**20K**		**Hail (1.75)**
Kenosha County									
3.5 SW Somers	**18**	**0817CST**			**0**	**0**			**Hail (0.75)**
Ozaukee County									
Cedarburg to Grafton	**18**	**0828CST 0830CST**			**0**	**0**	**10K**		**Hail (1.50)**
Waukesha County									
Waukesha	**18**	**0845CST**			**0**	**0**			**Hail (0.75)**
Dane County									
3 N Deerfield	**18**	**0925CST**			**0**	**0**			**Hail (1.00)**
Jefferson County									
4 NW Lake Mills	**18**	**0930CST**			**0**	**0**			**Hail (1.00)**
Waukesha County									
Waukesha	**18**	**1018CST**			**0**	**0**			**Hail (1.00)**
Milwaukee County									
Wauwatosa	**18**	**1028CST**			**0**	**0**			**Hail (0.75)**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
WISCONSIN, Southeast									
Walworth County									
Pell Lake	**18**	**1100CST**			**0**	**0**			**Hail (1.00)**
Racine County									
Bohners Lake	**18**	**1114CST**			**0**	**0**			**Hail (1.75)**
Rock County									
3 S Janesville	**18**	**1125CST**			**0**	**0**			**Hail (1.00)**
Walworth County									
2 S Richmond	**18**	**1130CST**			**0**	**0**			**Hail (0.75)**
Kenosha County									
Kenosha	**18**	**1145CST 1150CST**			**0**	**0**			**Hail (0.75)**
Washington County									
Hubertus	**18**	**1240CST**			**0**	**0**			**Hail (0.75)**
Waukesha County									
Merton	**18**	**1244CST**			**0**	**0**			**Hail (1.75)**
Walworth County									
East Troy	**18**	**1307CST**			**0**	**0**			**Hail (0.75)**
Waukesha County									
2 NE Mukwonago	**18**	**1315CST**			**0**	**0**			**Hail (1.25)**
Waukesha County									
Waukesha to Brookfield	**18**	**1340CST 1344CST**			**0**	**0**			**Hail (1.00)**
Kenosha County									
Kenosha	**18**	**1350CST**			**0**	**0**	**80K**		**Lightning**
Waukesha County									
Menomonee Falls	**18**	**1350CST**			**0**	**0**			**Hail (0.75)**
Milwaukee County									
North Milwaukee	**18**	**1401CST 1405CST**			**0**	**0**			**Hail (0.75)**
Rock County									
Janesville	**18**	**1655CST**			**0**	**0**	**25K**		**Lightning**

Leftover thunderstorms from the evening of May 17th eventually moved through Kenosha County during the pre-dawn hours on the 18th, and left in their wake flash flooding conditions around Somers. WSR-88D Doppler radar estimated that 2 to 3 inches fell in about 1.5 hours on top of saturated soils. Flood waters quickly reached 2 to 4 feet over roads resulting in gravel shoulder washouts. Eight families had to be evacuated by boat from their mobile homes as a nearby river quickly spilled out of its banks. Many vehicles were stranded in the high water levels, and many homes sustained significant flood damage to landscaping and interior home contents. In the western part of Kenosha County, at New Munster, the Fox River rose above flood stage at 1230CST on the 18th, crested at 12.31 feet on May 20th, and remained above the 10 foot flood stage into June, 2000. Up river at Pewaukee in Waukesha Co., the Fox River rose above flood stage on May 19th at 0000CST, crested at 11.71 feet on May 20th, and went below flood stage of 10 feet on May 22nd. Other mainstem rivers in southeast Wisconsin also went .5 to 1.5 feet above flood stage due to the heavy rains of May 17-18.

The flash flooding over Kenosha County was a prelude to another series of severe thunderstorms that pounded south-central and southeast Wisconsin with damaging straight-line winds and large, damaging hail. Normally this part of Wisconsin doesn't experience so many thunderstorms that dump large hail. A supercell thunderstorm moved east/northeast across Iowa County. Hailstones up to 2.00 inches in diameter pelted and damaged many vehicles and home sidings, while stripping some of the corn and soybean crops. This storm then headed east into Dane County where it unleashed damaging straight-line winds in addition to large hail. Winds were estimated to reach hurricane-force level as the storm tore through Fitchburg where a home's garage was blown over. The storm then hit Madison with powerful winds and golfball size hail. A Madison home's roof was torn off by the winds, and many large trees were felled. At least 200 vehicles sustained moderate to severe hail damage in Dane County. Torrential rains dumped 1 to 2 inches of rain that resulted in urban flooding in Waunakee (Dane Co.). Milwaukee Mitchell Field set a new 24-hour rainfall record for May 18th with 1.53 inches, breaking the old record of .88 inches set back in 1968. Likewise, Madison Truax Field set a new record of 2.09 inches.

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

WISCONSIN, Southeast

After pounding Dane County the cluster of severe storms moved east all the way east to Lake Michigan by late morning, dumping large hail 1 to 2 inches in diameter in scattered locations. Once again, many vehicles were dented by the large hail. In fact, as in the Madison area, the ground was covered white by the hailstones in the Cedarburg/Grafton (Ozaukee Co.) and Kenosha (Kenosha Co.) area. The Black Earth Creek flooded after a 2-day rainfall of 6 to 8 inches over northwest Dane County. Soil erosion and minor damage to residential landscaping, including basement flooding, was noted along the stretch of this creek from Mazomanie to Black Earth to Cross Plains.

Lightning strikes and tree branches brushing power lines left about 7000 customers over southeast Wisconsin without electrical power on the 18th. Additional scattered severe thunderstorms developed during the afternoon hours and dumped large hail stones as the Nebraska low which moved into eastern Iowa during the morning hours moved to northern Illinois by late afternoon. Southeast o the low air temperatures were in the 80s and surface dewpoints were in the 70s.

WIZ046>047-051>052-056>060-062>072 **Marquette - Green Lake - Fond Du Lac - Sheboygan - Sauk - Columbia - Dodge - Washington - Ozaukee - Iowa - Dane - Jefferson - Waukesha - Milwaukee - Lafayette - Green - Rock - Walworth - Racine - Kenosha**

24		**1400CST 1800CST**			**0**	**0**	**3K**		**Strong Winds**

Strong gradient winds of 20 to 30 mph (17 to 26 knots) with gusts to 40 to 55 mph (35 to 48 knots) lasted for several hours across all of south-central and southeast Wisconsin. There were many reports of broken tree limbs (2 to 4 inches in diameter), especially in Jefferson, Waukesha, and Milwaukee Counties. Some vehicles in Milwaukee were scratched or dented by the branches. A peak wind gust of 55 mph was recorded at the Milwaukee/Sullivan WFO in east-central Jefferson County. Gusts of 50 to 55 mph were noted in the counties of Washington, Iowa, Dodge, Milwaukee, Marquette, and Walworth.

Synoptically, deep low pressure over Ontario, Canada and high pressure over Montana set up a tight surface pressure gradient across Wisconsin. Daytime heating allowed west winds to mix to about 9000 feet AGL. Aloft, jet stream winds of 100 to 120 knots were noted.

Green County									
Countywide	**31**	**2030CST 2359CST**			**0**	**0**	**100K**	**100K**	**Flash Flood**
Lafayette County									
South Portion	**31**	**2030CST 2359CST**			**0**	**0**	**50K**	**50K**	**Flash Flood**
Lafayette County									
2 W Darlington	**31**	**2040CST**			**0**	**0**			**Hail (0.75)**

An isolated severe thunderstorm, dumped large hail in Lafayette County. However, several additional clusters of thunderstorms trained east/southeast across Lafayette and Green Counties, resulting in flash flooding. Many roads in these counties were covered with fast flowing water 1 to 3 feet deep that washed out gravel road shoulders. Also, many homes had basement flooding, and there were many reports of stranded vehicles which sustained flood damage. Both coop rain observations and WSR-88D Doppler radar estimated placed rainfall amounts generally in the 3 to 5 inch range during the evening hours. Browntown, in southwest Green County, picked up 5.5 inches while New Glarus registered 4.0 inches.

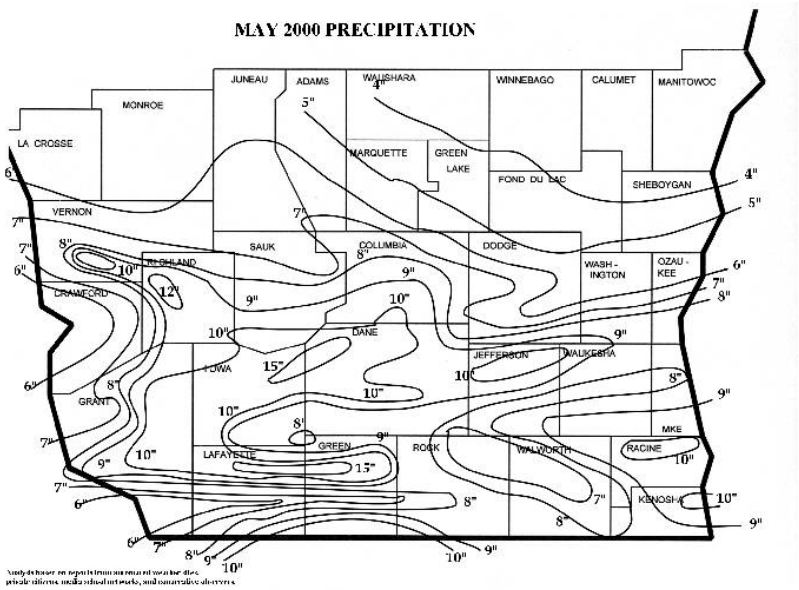
Synoptically, a low pressure moved east along a quasi-stationary front over northern Illinois on th 31st. Meanwhile, moisture south of the front was pulled northward to fuel the storms.

WIZ056>057-062>065-067>069-071>072 **Sauk - Columbia - Iowa - Dane - Jefferson - Waukesha - Lafayette - Green - Rock - Racine - Kenosha**

	31	**2300CST 2359CST**			**0**	**0**			**Record Rainfall**

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

WISCONSIN, Southeast



May 2000 precipitation totals across southern Wisconsin. Analysis based on reports from automated weather sites, private citizens, media school neetworks, and cooperative observers. Analysis was smoothed out in some locations due to extreme variability of convective rainfall amounts.

New all-time May rainfall records were set in several counties across south-central and southeast Wisconsin thanks to numerous rounds of thunderstorms with heavy rains during May, 2000. Madison Truax Field registered 9.63 inches, breaking the old record of 9.35 inches set in 1933. Milwaukee Mitchell Field recorded 8.42 inches, which is the 3rd wettest May (record is 9.56 inches set in 1933). Monthly rainfall, of 12 inches or more, was measured in a band that stretched from west-central Iowa County to north-central Dane County. Near Black Earth an incredible 18.0 inches was measured for the month! The State of Wisconsin all-time monthly rainfall record is 18.10 inches at Markesan (Green Lake Co.) set in September, 1986. Another band of 12 inches or more stretched across northern Lafayette County to northeast Green County. Within this band, near the village of Argyle, 17.13 inches was collected! In Jefferson County northeast of Lake Mills, 13.50 inches fell out of the skies. Otherwise, 10 to 11 inches were noted over small portions of Sauk, Columbia, Waukesha, Racine, and Kenosha Counties during May, 2000. Over the remainder of south-central and southeast Wisconsin nearly everyone registered 8 to 9 inches for the month, except for Marquette, Green Lake, Fond du Lac, and Sheboygan where 4 to 7 inches fell.